

**IMPROVING HARD WORK AND STUDENTS ACHIEVEMENT IN
MATHEMATICS LEARNING BY USING CONTEXTUAL TEACHING
AND LEARNING (CTL) TO GRADE VII A OF SMP AL-ISLAM 1
SURAKARTA FOR 2012/2013 ACADEMIC YEAR**



RESEARCH PAPER

**Submitted as a Partial Fulfillment of the Requirements
for Getting Bachelor Degree of Education
in Mathematics Department**

By:

JUMIATI

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**SCHOOL OF TEACHING TRAINING AND EDUCATION
MUHAMMADIYAH UNIVERSITY OF SURAKARTA**

2013

APPROVAL

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Approved to be Examined by:

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Rita P Khotimah, S. Si, M. Si,

ACCEPTANCE

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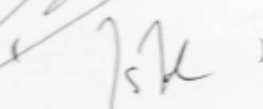
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**Accepted and Approved by the Board of Examiner
School of the Teacher Training and Education
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on March 2013**

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Dean,

Drs. Sofyan Anif, M.Si.


NIK. 547

TESTIMONY

On this opportunity, I state that there is no proposed work before in this research to get bachelor degree in a certain university and as long as I know, there is also no work or idea that has ever been written or published by other people, except referred or written in this research paper and mentioned in the bibliography.

If it is proved there will be something wrong in my statement above in the future, I will wholly be responsible.

Surakarta, March 2013



Jumiaty

MOTTO

Tomorrow must be better than today (The Writer)

Verily, with every difficulty there is relief (Q. S. Alam Nasrah : 6)

If ye will aid (the cause of) Allah, He will aid you, and plant your feet firmly
(Q. S. Muhammad : 7)

Crying may not be a solution, but can be sedating yourself (Mario Teguh)

Sometimes the problem is your best friend, because they make you stronger than
before and make you put Allah on the side nearest of you (The Writer)

DEDICATION

This modest research paper is dedicated especially to:

My beloved father and mother, thanks for your prayers, motivations, loves and sacrifices that you have given, your prayers which are never stop and always accompany me in my activities.

My younger brothers (Supriyanto), my older brother's family (Mas Pur, Mbak Yunca, Dek Luhur Djati) and all of my family which are always give me prays, motivations, loves, sacrifices, and all to me.

My consultant, Mrs. Rita Pramujiati Khotimah, M.Sc. and Mr. Syakuri thanks for your time and guidance which are given, so that this research paper can be completed.

My best friends of RSBI class 2009 (Elly, Lina, Fitri, Kiki, Alm. Septi, Ida, April, Ike, Niken, Dias, Evi, Adi, Nana, Zuhdha, Idris, Thoriq, Yazid, Yanto, Seta, Edi, Iqbal, Tri,) who always gives a smile, enthusiasm, friendship and help to me.

My best friends in SMF (Hanif, Mala, Atun) thanks for all.

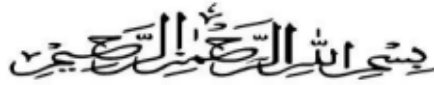
Big Family of "Gemolong Drugstore"

Mb. Winda, mb. Della, mb. Ika, mb. Darma, mb. Pipit, mb. vina, ida, habidan, Zahra, hima, eki, zulfi, riska, Meisa, Tami, thanks for all.

All of friends in mathematics department, especially in academic year 2009.

The readers.

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Assalamu'alaikum Wr. Wb

Alhamdulillahirobbil'alamin, all praise belongs to Allah SWT due to the bless and mercies that have been given to the writer, so she can complete this research paper with entitled "IMPROVING HARD WORK AND STUDENTS ACHIEVEMENT IN MATHEMATICS LEARNING BY USING CONTEXTUAL TEACHING AND LEARNING (CTL) TO GRADE VII A OF SMP AL-ISLAM 1 SURAKARTA FOR 2012/2013 ACADEMIC YEAR".

The writer realizes that this research paper is still far from being perfect, so all suggestions and criticisms for improving this research are accepted happily. In conducting this research, the writer gets some helps from many people.

In this opportunity, researcher wishes to thank:

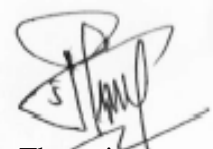
1. Drs. H. Sofyan Anif, M. Si. as the Dean of School of Teacher Training and Education of Muhammadiyah University of Surakarta,
2. Dra. Sri sutarni, M. Pd, as the chief of Mathematics Department.
3. Rita Pramujiyanti Khotimah, S.Si., M.Sc. as the consultant who has patiently, sincerely, and wisely give, advice and guidance to her from the beginning up to the completion of this research paper.
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9. All of peoples who help the writer in finishing the research that can't be mentioned one by one.

The writer realizes that this research still has many mistakes. Therefore, she accepts gratefully every suggestions, criticism, and comment from those who concern to this research. Hopefully, this research will be able to give contribution and be useful for the readers especially for those who are interested in the similar study.

Wassalamu'alaikum Wr. Wb.

Surakarta, March 2013



The writer

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ABSTRACT

IMPROVING HARD WORK AND STUDENTS ACHIEVEMENT IN MATHEMATICS LEARNING BY USING CONTEXTUAL TEACHING AND LEARNING (CTL) TO GRADE VII A OF SMP AL-ISLAM 1 SURAKARTA FOR 2012/2013 ACADEMIC YEAR

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The objective of this research is to improve the hard work and student's achievement in learning mathematics grade VII A of SMP Al-Islam 1 Surakarta. this is an action research with the subject is the students grade VII A of SMP Al-Islam 1 Surakarta academic year 2012/2013 with the number of students is 24 students. The data is obtained from observation, field notes, documentation, and test. Technique of data analysis in this research includes data collection, data presentation, and data verification. The result of research are: 1) the hard work of students in learning mathematics are increase, include: a) before the treatment are given, there are 14 students who demonstrate seriousness in solve the problems, after the treatment there are 19 students (90,48%), b) before the treatment are given, there are 6 students (24%) who complete the problems on time, after the treatment there are 17 students (80,96%), c) before the treatment are given, there are 5 students (20%) who do not give up to solve the problems, after the treatment there are 18 students (85.71%), d) before the treatment are given, there are 5 (20%) students who solve the problem carefully and accurately, after the treatment there are 15 students (71.43%). 2) the students' achievement increase, it can be shown by: before the treatment are given, there are 5 students (20%) who scored above the passing grade, after the treatment there are 17 students (80,96%) who scored above the passing grade. So, it can be concluded that CTL strategy can improving the hard work and students' achievement in learning mathematics.

Key words : CTL, students' hard work, students' achievement.